

THE MINES OF MONTANA.

The Great Mines of Castle Mountain and the New World District.

Railroads Badly Wanted at White Sulphur Springs and Cooke City.

Millions of Tons of Ore in Sight—Mineral Surpassing Richness and Enormous Extent.

Ben D. Gardner, assessor of Meagher county, and a prominent mining man of that section, arrived in the city Saturday, and kindly furnished the following information: Meagher county is undoubtedly one of the best mining sections in Montana. The mines of Neilhart, Castle and Birch creek are rapidly advancing to the first rank as rich ore producers. The only drawback now is want of transportation facilities. A railroad to White Sulphur Springs and Castle Mountain, in addition to the one now being built from Great Falls to Neilhart, would revolutionize the mining industry. At Castle Mountain they have the richest lead ore in Montana, and the greatest quantity, but in order to work them it is necessary to ship by wagons to the railroad at Townsend, a distance of forty miles, over a rough mountainous country. It is true they have one smelter there, which has made a good record, and they will doubtless build others in time, but even then the expense of shipping in coal and transporting bullion to the railroad is too great, and absorbs too much of the profits to be satisfactory. The natural resources of the camp are such as to afford every facility for successfully treating the ores, with the one exception of coal. In order to show what the camp is capable of doing it is only necessary to state the result of a two months run on the one-stack smelter. In two months, or to be more accurate, fifty-seven days, the Cumberland Mining company ran out sufficient bullion to pay a dividend of three cents per share and had \$15,000 left in the treasury.

The Yellowstone mine is developed by a 250 foot shaft and 200 feet of levels. The ore body is from three and one-half to seven feet in width and assays thirty ounces in silver and forty-five per cent lead. A good force of men is now employed in the mine, and the ore taken out is being piled up till the opening of spring, when coal can be transported for running the smelter.

The Cumberland company's property is owned principally by King & Ash, of Billings. The lead is developed by a 500-foot shaft, and shows a big vein of ore from the grass roots. Explorations thus far show the ore body to be 57 feet wide. This property furnished the ore for the smelter run noted above.

The Great Eastern lode lies adjacent to the Cumberland, and is developed by a 100-foot shaft. It contains a fine body of ore, and is now under bond for the sum of \$100,000.

The American mine is also showing up well. Developments thus far have disclosed a six-foot vein which runs from 25 to 30 ounces silver, and 40 to 65 per cent in lead.

The Judge, which is owned by White Sulphur Springs parties, is developed by a 250-foot shaft and 400 feet of levels. The ore is from three and one-half to eight feet in width and runs 40 ounces in silver, and 55 per cent lead. An offer of \$250,000 for the mine was refused by the owners. It has paid from the grass roots and large quantities of the ore has been shipped east.

The principal mine in the Birch Creek district, twelve miles west of White Sulphur Springs, is the Bourbon. It is developed by 200 feet of levels and a 100-foot shaft, and a force of men are now at work taking out ore. The pay streak is from eighteen inches to three and a half feet in width and is very rich. A car-load recently shipped to Helena gave returns by hand sample from each wagon load hauled from the mine of \$180 in gold and \$120 in silver.

The Bourbon is said to have been the first mine located in Meagher county, although but little work has been done in a systematic manner until recently. There are a number of other locations in the camp which are not developed to any extent, although the ore prospects well. The only mine now being worked, aside from the Bourbon, is the Paducah, an extension of the former, which is showing up well. Mat. Davis, the well-known mining man, gives it as his opinion that the Bourbon is the best property for the amount of development in Meagher county.

White Sulphur Springs is in the center of the mining section of Meagher county, and is more noted for its famous medicinal springs than for the rich mines which surround it. With the advent of a railroad, which will aid in the development of the natural resources of the country, the Springs will take a leading position among the prosperous towns of Montana. It is understood that even now the value of property at the Springs is rapidly advancing, and that the syndicate which owns most of the real estate will raise the price of their property 50 per cent, on New Year's day.

New World District.
For richness and extent the mines of the New World district, at Cooke City, are unsurpassed. The quantity of ore in sight is simply immense, so vast, indeed, that it is hard for the best posted miners to believe the fabulous accounts that are told of this wonderful region. Think of a mine containing three million tons of ore in sight, that will run from \$28 to \$38 to the ton. Yet there is such a mine in the New World district, and another that can furnish one hundred tons a day for twelve months, that will average 40 ounces in silver and 20 per cent lead. With such a splendid showing it is a great wonder why this camp has not taken the first place among the mines of the world. But when it is known that almost insurmountable obstacles had to be overcome the wonder will only be that so much has been accomplished. Until within a few years the place has been almost inaccessible except for pack animals, and was for a long time a portion of the National park. After a long and arduous struggle the necessary legislation was passed making it a part of the public domain, and since then every effort has been put forth by those interested in the camp for railroad connection, and this is now in a fair way to be accomplished. But it can only be done by act of congress. The road must necessarily pass through either the National park or the Crow Indian reservation, and it is confidently believed a bill will be passed this winter granting the right-of-way. When this is done and the railroad built, which will probably be next summer, then the district will take first place among the great camps of the world. Mr. Z. H. Daniels, who has been identified with the camp since its discovery, and who has devoted every effort toward its advancement, furnishes the following concerning the most prominent mines of the district:

The Alice E., located on the Henderson mountain, is developed by a tunnel 150 feet in length and a shaft connecting with the tunnel, which is now down ninety-five feet and the work of sinking is still going ahead. Besides, there is a cross-cut of 160 feet, between walls, and other tunnels and levels, and every foot run is in ore. The ore runs \$28 to \$38 in gold, and the amount in sight, estimated by competent engineers, is 3,000,000 tons. It is pronounced the greatest mining proposition ever known. A controlling interest in the property is held by Denver parties.

The Chronos, a short distance north of the Alice E., is developed by a twenty-five foot shaft, and shows a fine body of gold-bearing ore. The prospects are very good.

The prospect near by, \$500 in gold at a

depth of forty feet, which is the extent of the development.

The War Eagle, although undeveloped to any extent, is considered one of the best in the district, and shows good ore at the surface wherever opened, which assays well in gold, silver and lead.

The Little Daisy lies north of the War Eagle and in the course of development by tunnel and cross-cut 25 feet of ore has been disclosed, which assays \$90 to the ton. Work is now progressing on the mine.

The Hummer, adjacent to the Little Daisy and is developed by three tunnels, which are 100, 120 and 250 feet in length. Three veins were cut by these tunnels, showing five, ten and twenty feet of ore respectively. The owners still think the best body of ore has not been encountered. This is considered a great proposition for mining men.

The Elkhorn is developed by 700 feet of tunnels and contains a great quantity of rich ore. Shipments have been made to the railroad, a distance of sixty miles, which gave good results.

The Keystone, located on what is called Red Mountain, is developed by 300 feet of tunneling and contains the richest ore ever found in this district. The ore vein is five feet wide and assays 450 ounces in silver and 20 per cent lead.

The Cave lode, south of the Keystone and on the same vein, is developed by a 35-foot shaft, and has 15 tons of ore on the dump, which runs \$50 to \$58. The ore vein is three feet wide.

The Virginia Belle lies south of the Cave, and the entire claim of twenty acres seems to be one immense ore body. Assays at nine feet gave returns of \$54 to the ton.

The Josephine, which lies south of the Virginia Belle, is developed by a twenty-foot shaft, and has twenty tons of ore on the dump. The croppings on this mine are also very extensive and contain good pay.

The Black Warrior is developed by a 350 foot shaft and a 300 foot tunnel. The work of sinking is now going ahead. The extent of the ore body is not known, but it is estimated by the best posted mining men in the country that there is sufficient ore in sight, that will average 40 ounces in silver and 20 per cent lead, to furnish 100 tons a day for a year.

The Iceberg is opened by a fifty-five foot shaft which contains four and one-half feet of ore from the surface running sixty ounces silver, thirty per cent lead.

The Morning Star is the best developed mine in the camp. It has a 300 foot shaft and 400 feet of tunnels. It contains a continuous vein of ore, which is in no place less than three feet wide, and from ten to fifteen feet, and carries forty ounces silver and sixty per cent lead.

The Shoo Fly furnished 600 tons of ore to the old smelter at Cooke City and has now 1,500 tons on the dump, which runs thirty ounces silver and sixty per cent lead.

The Big Blue has uncovered a large body of low grade ore.

The New World lode is developed by a 400 foot tunnel, which attains a perpendicular depth of 200 feet. It contains plenty of ore which runs thirty ounces silver and sixty per cent lead.

The Republic mine has a 250 foot shaft and several hundred feet of tunneling. It contains a large body of ore, running sixty ounces silver and twenty per cent lead.

The ore has been tested by smelter runs on many of the mines mentioned above.

Besides, there are hundreds of other locations, many of which only require development to make good mines. A sale is now on foot, if it has not already been accomplished at this writing, involving the payment of \$200,000 for property in the camp, which goes to the Holland Trust company of New York city.

Eight hundred acres of land have lately been located in a little valley on the shores of Lake Abundance, where it is believed the terminus of a railroad will be made. The land is supposed to have been taken in the interest of the Northern Pacific Railroad company, which will put in a road next summer, either by way of Stillwater or Slough creek.

Try It.
Try our best patent flour, the best in the market, and Whitaker Star brand, at JOHN T. MURPHY & Co.'s.

Resell carpet sweepers only \$2.00 at The Bee Hive. Every one guaranteed perfect in every respect or money refunded.

Ladies' and children's toboggan caps at cost at The Bee Hive.

If you are in need of a lamp be sure and see these at The Bee Hive before buying one.

Reopened.
The Atlantic Garden restaurant and lunch counter. The best 25-cent meals in town at all hours, day and night.

Free To-Day Only.
Make arrangements to-day for a course of studies at the

HELENA BUSINESS COLLEGE and yet your books free for the course. School begins next Thursday, Jan. 2, 1890.

"Don't Get Left."
The Montana Central railway changed time Dec. 24, and the through express train for Butte, connecting there with the Union Pacific railway with Salt Lake, Ogden, San Francisco, Boise City, and all the other points on the Pacific coast leaves Helena at 3:45 p. m. The public should make a note of this, as this train formerly left Helena at 4 o'clock.

R. H. LANSLEY, General Ticket Agent.

Only a few children's cloaks left at The Bee Hive which will be sold at a good deal less than cost.

NOTARY SEALS—Now ones made and old ones changed. C. E. Kemp, Helena, Mont.

Pictures of all kinds at The Bee Hive.

Ten per cent discount on all crockery, china, and glassware for seven days at The Bee Hive.

Buy your Christmas slippers at Fred Gerner's, the largest and best selected stock in town.

All Ready.
The toboggan slide on Helena avenue is all ready for business. Come and bring your best girl.

"Sanitary Engineering."
Plans and Specifications for fine plumbing. See O'Brien, The Plumber.

Twenty-five per cent discount on all suits and troupings for thirty days only at John B. Johnson's.

Lamps at 35 cents and upwards at The Bee Hive.

Alarm clocks only \$1.25 at The Bee Hive.

A very good unbleached white shirt only 50 cents at The Bee Hive.

Change of Time on the Montana Central.
Taking effect Sunday, Dec. 22, trains will arrive and depart from Helena as follows:

Train No. 1, Helena and Butte express, 8:15 a. m.
Train No. 2, Helena and Butte express, 7:00 p. m.
Train No. 3, Montana Pacific express from east, 3:30 p. m. 3:45 p. m.
Train No. 4, St. Paul express, for east, 11:20 a. m. 11:30 a. m.
Train No. 5, Marysville express, 10:30 a. m.
Train No. 6, Marysville express, 8:50 a. m.
Train No. 7, Marysville express, 6:40 p. m. 4:40 p. m.
Train No. 8, Marysville express, 4:40 p. m.
R. H. LANSLEY, General Ticket Agent.

For Rent.
Three nice furnished rooms at Oro Fino Club. Enquire of Folk & Devine.

Ball's Cabinets at \$3 Per Dozen.
Cabinet photos \$3 per dozen at Ball's gallery, Helena avenue, corner Warren, on car line.

propose to give their customers the advantage of low prices in many instances below cost, in order to reduce their stock to a low point and give room for early spring shipments. This is an opportunity which the ladies of Helena and the surrounding country can not afford to lose. We should judge from the activity in their various departments, and the large numbers of buyers in daily attendance from early morn to night that there would not be many goods left to carry over into next year if their boom keeps up as it is going on now.

At the Woman's Exchange a good supply of cakes.

New Montana Central Depot.
A corner lot on Helena and Montana avenues. The Montana Central local trains are to stop opposite this lot, and the street car line on Montana avenue will be completed next spring. This corner will then be the most frequented on the avenue.

FLOYD-JONES, Atlas Block.

Drs. Esdig and Green, dentists. Offices in Bailey block. Take elevator. Room 30.

Ladies' and children's underwear very cheap at The Bee Hive.

HELENA IN BRIEF.
Dinner from 12 to 5 at the Bon Ton.

G. W. Jackson, music dealer, Bailey building, Main street.

James W. Barker, merchant tailor, Main street, opposite First National bank.

Go to H. Nicholson Co's, for the best hay and grain at lowest prices. Cordwood delivered in any quantity. Telephone 243.

Go east via the Montana Central and Manitoba railways, the new sleeping and dining car route to St. Paul and the east. Through trains leave Helena daily at 11:30 a. m.

Your Call Respectfully Solicited.

F. J. EDWARDS. - 19 MAIN STREET.

C. A. COOPER
111 N. Main Street.

A GRAND DISPLAY
—of—
DIAMONDS, WATCHES
—and—
JEWELRY.

Ladies' Solid Gold Watches at - \$20
Three Stone Diamond Rings at - \$15
Five Stone Diamond Rings at - \$25
Elegant Diamond Earrings at - \$25
Very Pretty Diamond Scarf Pins at - \$10

C. A. COOPER, - Pittsburg Block.

PORTER, MUTH & COX,
REAL ESTATE DEALERS,
GOLD BLOCK.

CUT PRICES
On Our Entire Stock of
FURS!

Now is Your Chance for
BARGAINS!

Fur : Coats,
CAPS, GLOVES,
Robes, Etc.

PRICES CUT
to
CLOSE OUT STOCK

WILL CLOSE AT 6 P. M.

DURING

BABCOCK'S, January and February.

ELEGANT : DISPLAY

-HOLIDAY GOODS-

F. J. EDWARDS.
(Successor to Moses Morris.)

Chandeliers and Hanging Lamps, and Fancy Decorated China.

Hand Painted Glassware in Assorted Colors.

Rogers Bros'. A1 1847 Silverware.

Plush Goods in Endless Variety.

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Very Pretty Diamond Scarf Pins at - \$10

C. A. COOPER, - Pittsburg Block.

MISSOULA
Real Estate!

The Most Desirable Property in this Growing City is now Offered to those Desiring Quick Returns on Money Invested.

Lots can now be purchased that will yield investors

100 PER CENT within Ninety Days.

JNO. S. M. NEILL,
ROOMS 6 AND 7,
ASHBY BLOCK, HELENA, MONT.

OVERCOATS!

This being the season when OVERCOATS are in demand We would call Your Attention to the fact that the

PLYMOUTH CLOTHING HOUSE

is throwing out Greater Inducements than any other house in the city; not only in Overcoats, but also in Clothing and Gents' Furnishing Goods. Space does not permit our mentioning all our Bargains. Call and see us.

LEVY & ELIAS,
MAIN STREET.

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LEVY & ELIAS,
MAIN STREET.

THE LEADING SHOE HOUSE

of the City is Located next door to the First National Bank.

J. P. WOOLMAN & CO.,

Who handle all the Latest Novelties in FASHIONABLE FINE FOOTWEAR, the Finest assortment of Slippers and Ties ever shown in the west, are also agents for JOHNSTON & MURPHY'S FINE FOOTWEAR.

FOR SALE!

A New, Commodious Cottage, on Fifth Avenue. Contains Four Rooms, Pantry, Two Closets; City Water.

ONLY \$1,800.

\$100 DOWN; \$25 PER MONTH.

Matheson & Steele,
129 1-2 MAIN STREET. HELENA, MONTANA.

WHAT TO BUY.

Holiday Novelties in

SILK UMBRELLAS,

SILK HANDKERCHIEFS,

SILK MUFLERS,

LINEN HANDKERCHIEFS.

Plush and Leather Collar and Cuff Boxes.

FANCY FLANNEL & LINEN NIGHTSHIRTS,

Fine Neckwear, at

GANS & KLEIN'S.

POPE & O'CONNOR,

DRUGGISTS,

OFFER A FEW HAND AND STAND LAMPS VERY CHEAP

To Close Out the Stock.

CLOSING OUT SALE.

The I. X. L. Bazaar, ONE PRICE CASH STORE, One Door North of Grand Central Hotel, Offers Great Reductions FOR ONE WEEK ONLY

LADIES' & CHILDREN' CLOAKS.

LADIES CLOAKS, WORTH \$25.00, FOR \$12.
LADIES' CLOAKS, WORTH \$20.00, FOR \$10.
LADIES' CLOAKS, WORTH \$17.00, FOR \$9.
LADIES' CLOAKS, WORTH \$15.00, FOR \$8.
LADIES' CLOAKS, WORTH \$12.00, FOR \$7.
LADIES' CLOAKS, WORTH \$10.00, FOR \$6.
LADIES' CLOAKS, WORTH \$8.00, FOR \$4.

ORDERS FROM COUNTRY PROMPTLY ATTENDED TO.

MAIN STREET. H. BARNETT.

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